



prefetching threshold cache miss

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### Data processing system having a data **prefetch** mechanism and method ...

determining a **threshold** value; and determining a first number of available entries in the **cache miss** queue unit; the asynchronous **prefetching** means ...

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### Intelligent **cache** memory and **prefetch** method based on CPU data ...

Since the CPU goes idle in the event of a **cache miss**, the size and operating ..... and the **prefetch threshold** has not been reached, the **cache** control logic ...

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### Cooperative **Caching** with Adaptive **Prefetching** in MobileAd Hoc Networks

decreased **cache miss** due to the lack of **prefetched** data. As. the value of  $\delta$  increases, ... in the **prefetch threshold**. However, the rate of decrease was ...

[ieeexplore.ieee.org/iel5/11150/35739/01696401.pdf?tp=&isnumber=&arnumber=1696401](http://ieeexplore.ieee.org/iel5/11150/35739/01696401.pdf?tp=&isnumber=&arnumber=1696401) - [Similar pages](#)

### On **prefetching** in hierarchical **caching** systems - Communications ...

i.e., freshness and retrieval **threshold** based **cache prefetching**, ..... **Cache miss** ratio at each level with freshness **threshold**. 2) **Cache miss** rate: When  $\alpha$  ...

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### Energy-Efficient **Caching** and **Prefetching** with Data Consistency in ...

sive **prefetching**, a **threshold** (TH) is set at the **cache** to ..... Size(1) only tries to minimize the **miss** ratio by giving more. preference to small data items ...

[doi.ieeecomputersociety.org/10.1109/IPDPS.2004.1302995](http://doi.ieeecomputersociety.org/10.1109/IPDPS.2004.1302995) - [Similar pages](#)

### **Prefetch** insertion by correlation of **cache** misses and previously ...

From the profile data, recurring patterns of instructions resulting in **cache-miss** conditions are identified. **Prefetch** instructions are inserted prior to the ...

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### LNCS 3824 - An Effective Instruction **Cache Prefetch** Policy by ...

the iL1 **cache miss** ratio and normalized execution time for various **threshold**. values. The execution time is normalized to no-**prefetch** scheme. In the graph, ...

[www.springerlink.com/index/7203k8175109575j.pdf](http://www.springerlink.com/index/7203k8175109575j.pdf) - [Similar pages](#)

### **Cache-miss-initiated prefetch** in mobile environments

constructed when a **cache miss** happens. The **miss-prefetch**. set is constructed in this way: among .... a pre-specified time **threshold-gap**. In order to find an ...

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### [PDF] When Caches Aren't Enough: Data Prefetching Techniques

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a **cache miss** to block b occurs while block b – 1 is. cached. The hardware restarts **prefetching** if the fre-. quency exceeds the designated lower **threshold**. ...

[www.ece.cmu.edu/~ece548/localcopy/r7023.pdf](http://www.ece.cmu.edu/~ece548/localcopy/r7023.pdf) - [Similar pages](#)

### CU CSCI Thesis Defense - Joseph (1996-1997)

Markov model based **prefetching** is a technique to dynamically construct an approximate markov model from the time series of **cache miss** references, ...

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